

FIG.1

FIG. 2

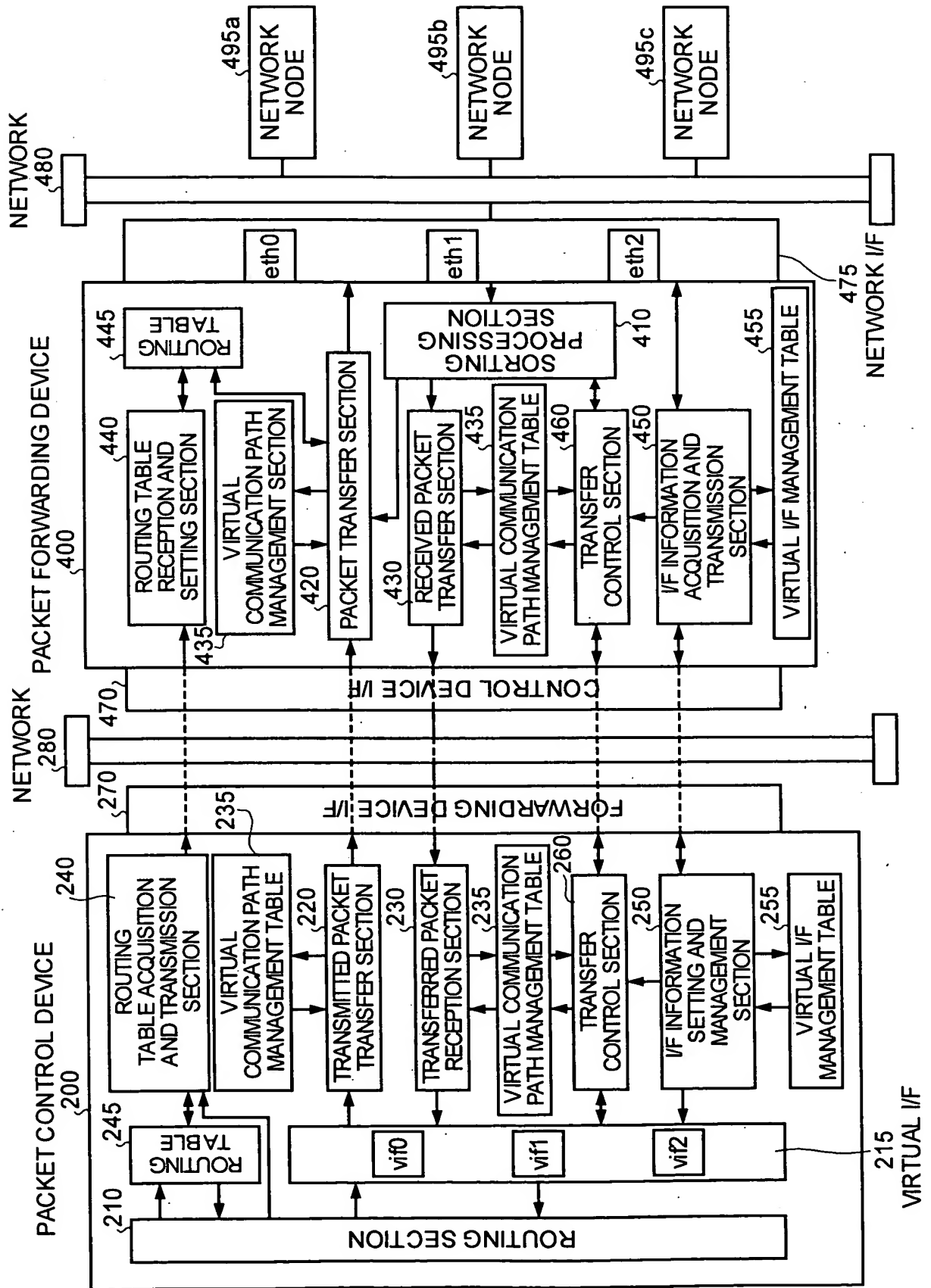


FIG.3

| VIRTUAL COMMUNICATION PATH IDENTIFIER | TARGET I/F | CONNECTION IDENTIFICATION INFORMATION |
|---|------------|---|
| 1001 | vif0 | src=x1,p1,dst=y1,q1 |
| 1002 | vif1 | src=x2,p2,dst=y2,q2 |
| 1003 | vif2 | src=x3,p3,dst=y3,q3 |

FIG.4

| CONNECTION IDENTIFIER | TARGET I/F | CONNECTION IDENTIFICATION INFORMATION |
|--------------------------|------------|---|
| PID 0:1 | vif0 | src=x1,p1,dst=y1,q1 |
| PID 0:2 | vif1 | src=x2,p2,dst=y2,q2 |
| PID 0:3 | vif2 | src=x3,p3,dst=y3,q3 |

FIG.5

| VIRTUAL I/F IDENTIFIER | TARGET DEVICE | ACTUAL I/F IDENTIFIER |
|---------------------------|------------------|--------------------------|
| vif0 | fwd0 | eth0 |
| vif1 | fwd0 | eth1 |
| vif2 | fwd0 | eth2 |

FIG.6

| VIRTUAL COMMUNICATION PATH IDENTIFIER | TARGET I/F | CONNECTION IDENTIFICATION INFORMATION | MANAGING CONTROL DEVICE ID |
|---------------------------------------|------------|---------------------------------------|----------------------------|
| 1001 | eth0 | src=x1,p1,dst=y1;q1 | cnt0 |
| 1002 | eth1 | src=x2,p2,dst=y2;q2 | cnt0 |
| 1003 | eth2 | src=x3,p3,dst=y3;q3 | cnt0 |

FIG.7

| ACTUAL I/F IDENTIFIER | TARGET DEVICE | VIRTUAL I/F IDENTIFIER |
|-----------------------|---------------|------------------------|
| eth0 | cnt0 | vif0 |
| eth1 | cnt0 | vif1 |
| eth2 | cnt0 | vif2 |

FIG.8

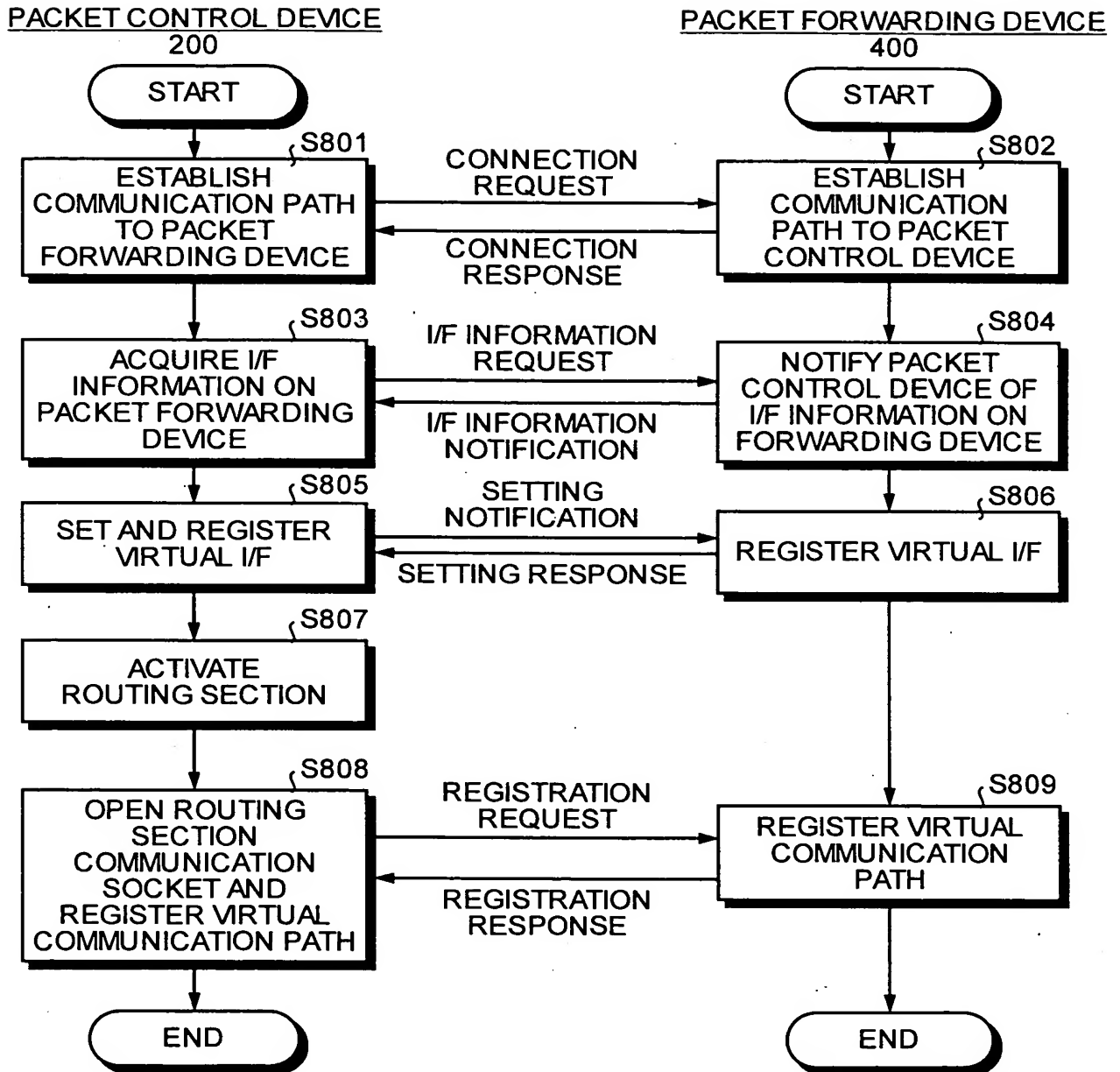
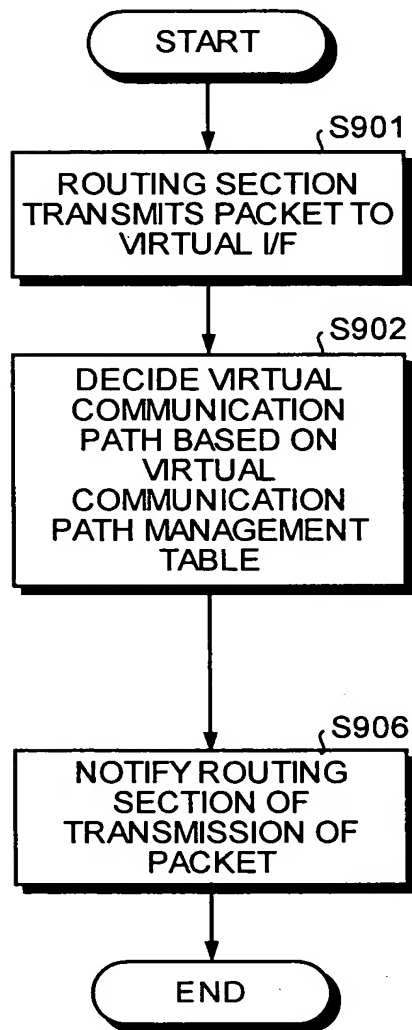
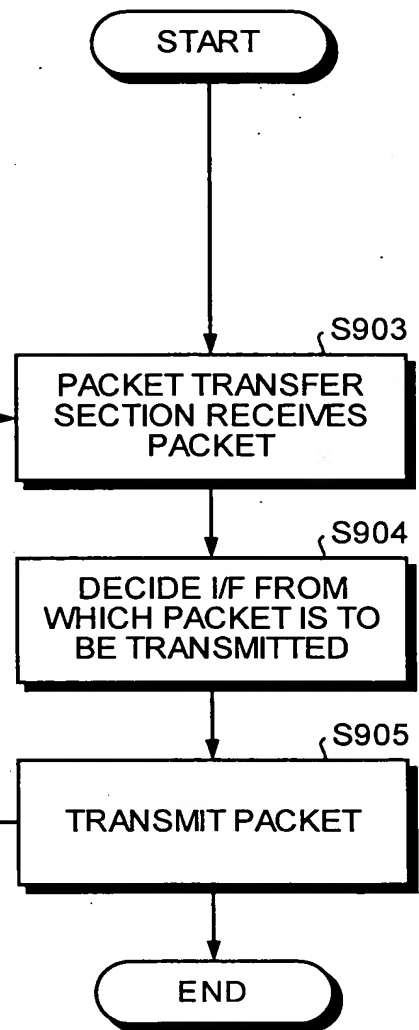


FIG.9

PACKET CONTROL DEVICE
200



PACKET FORWARDING DEVICE
400



PACKET TRANSFER

PACKET
TRANSMISSION
COMPLETION
NOTIFICATION

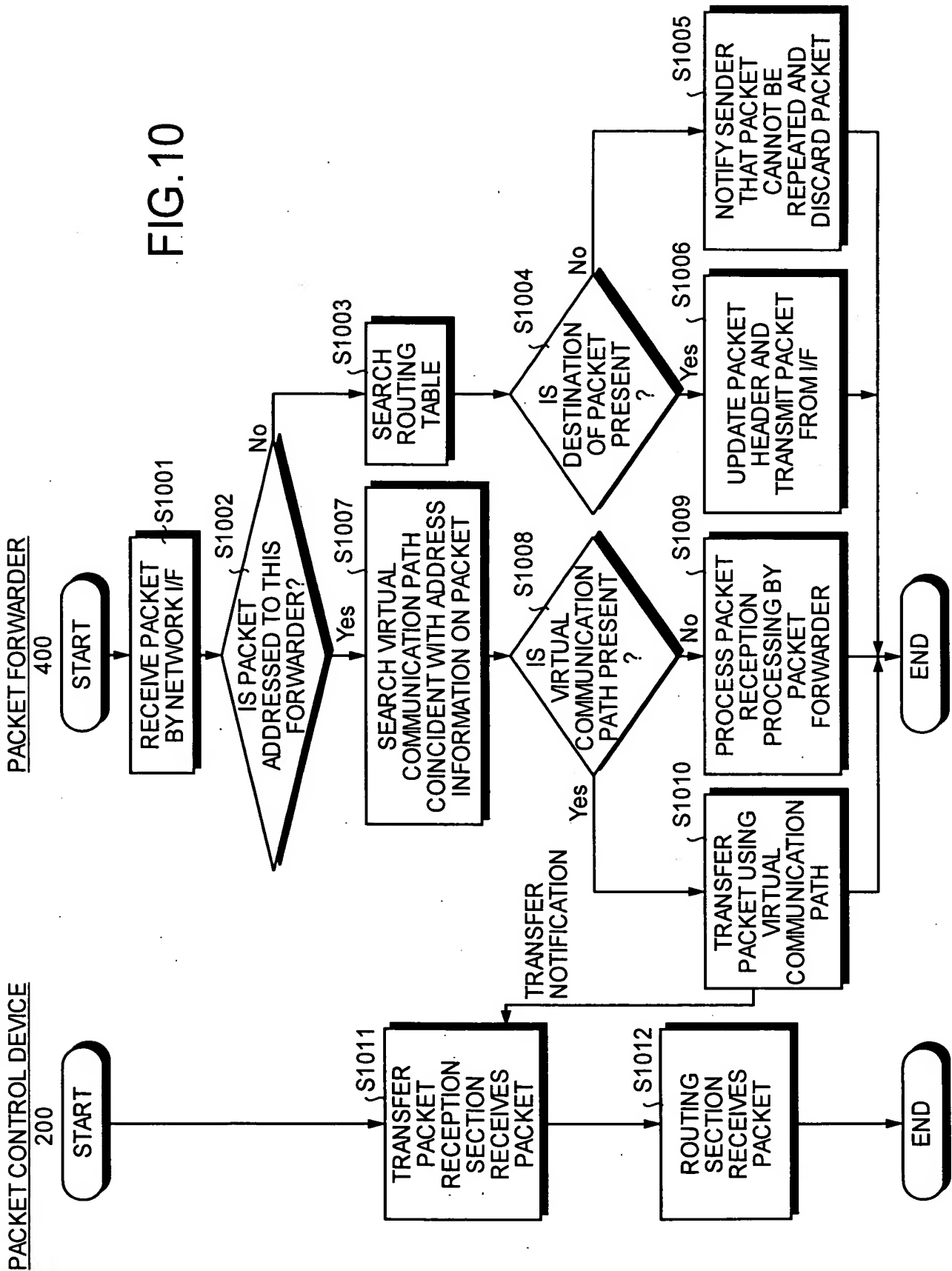


FIG.11

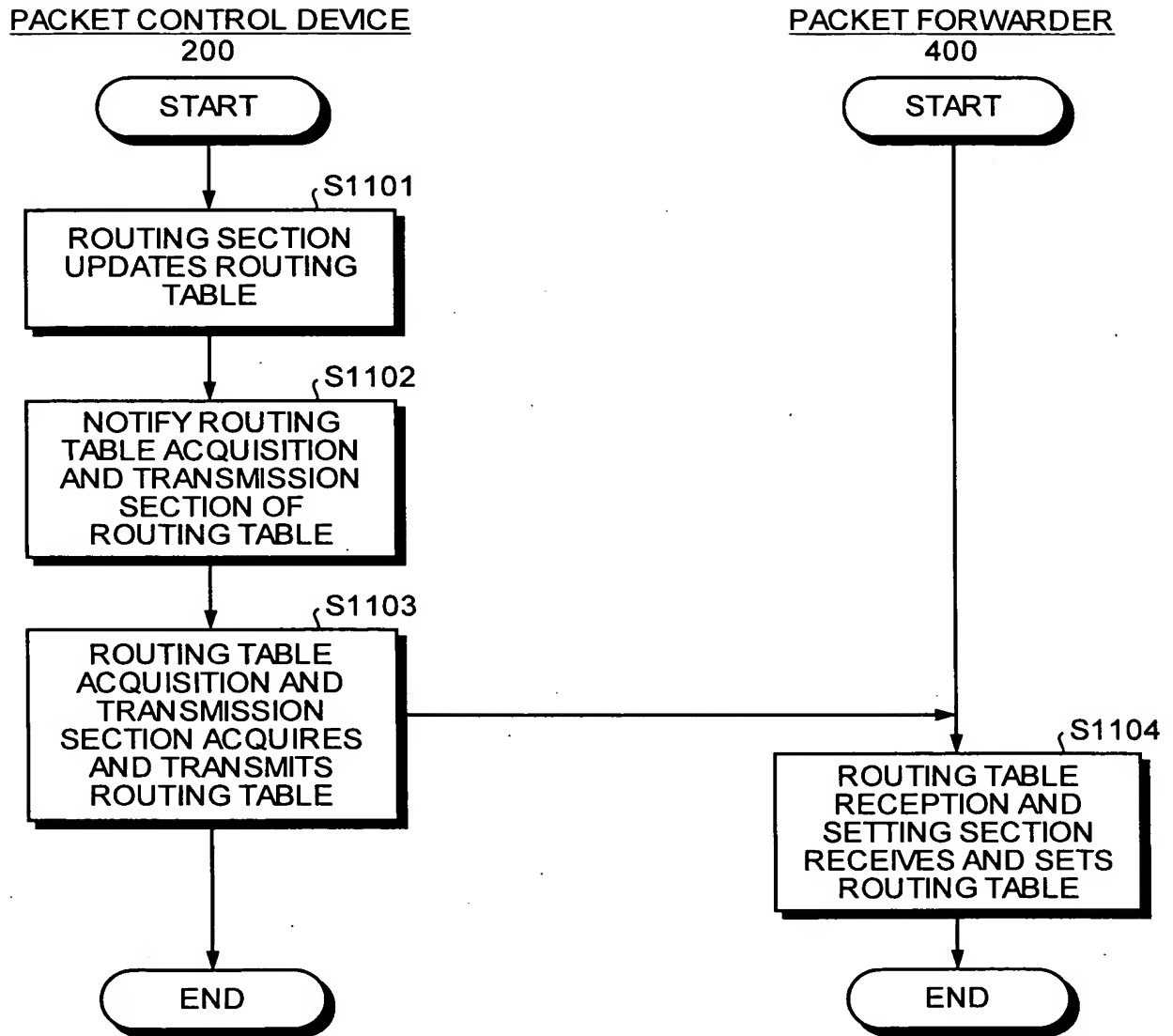


FIG.12

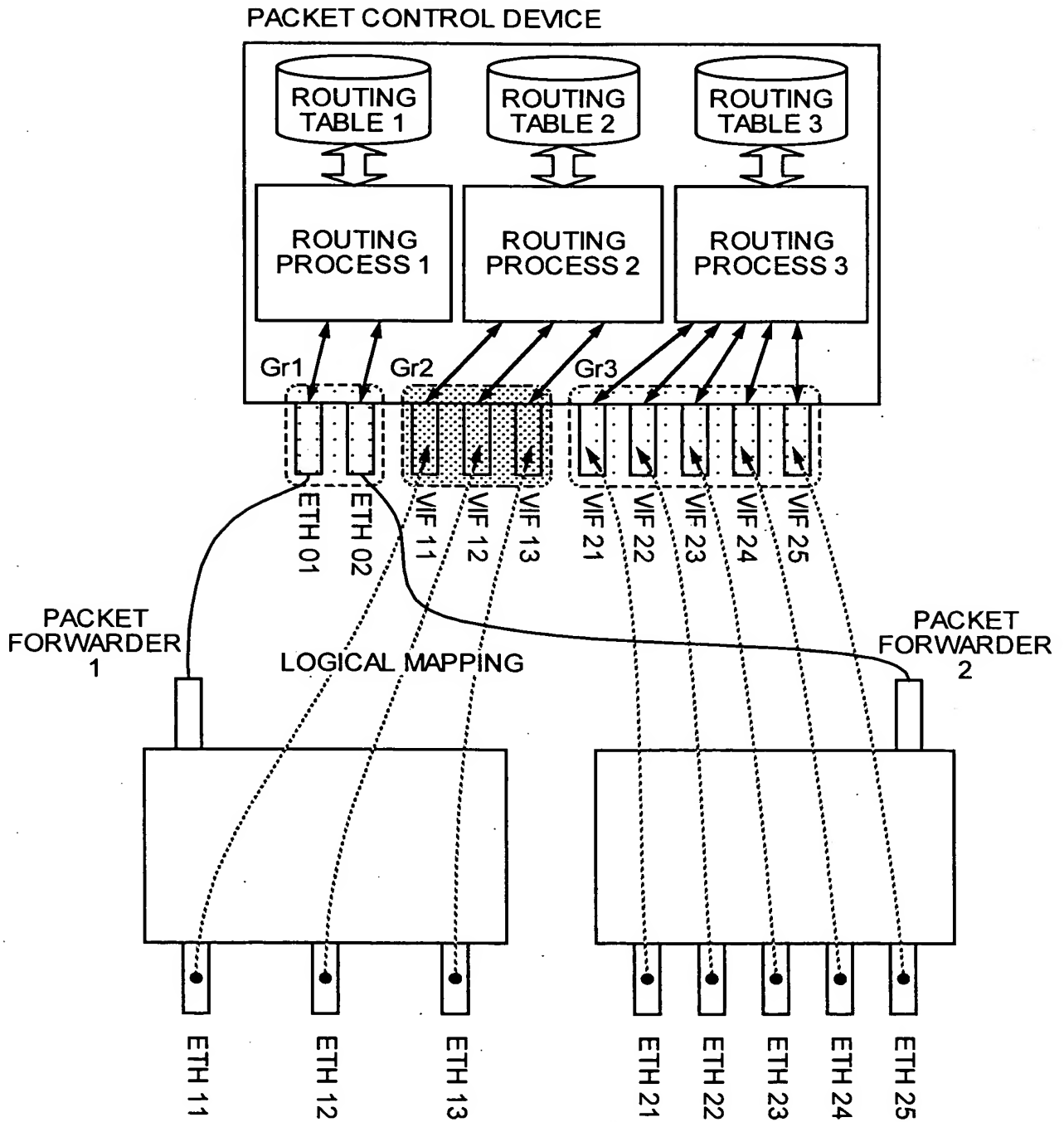


FIG. 13

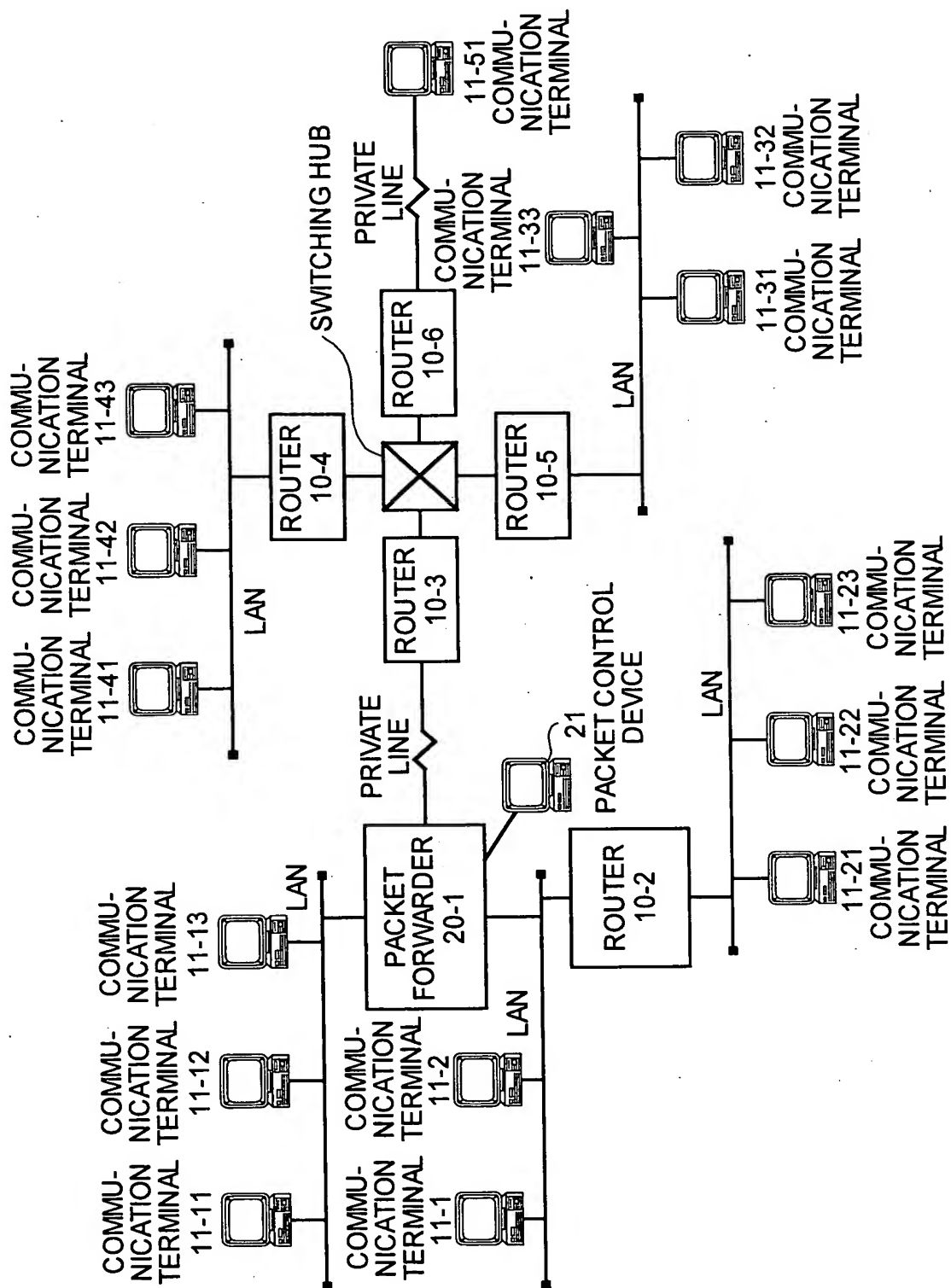


FIG. 14

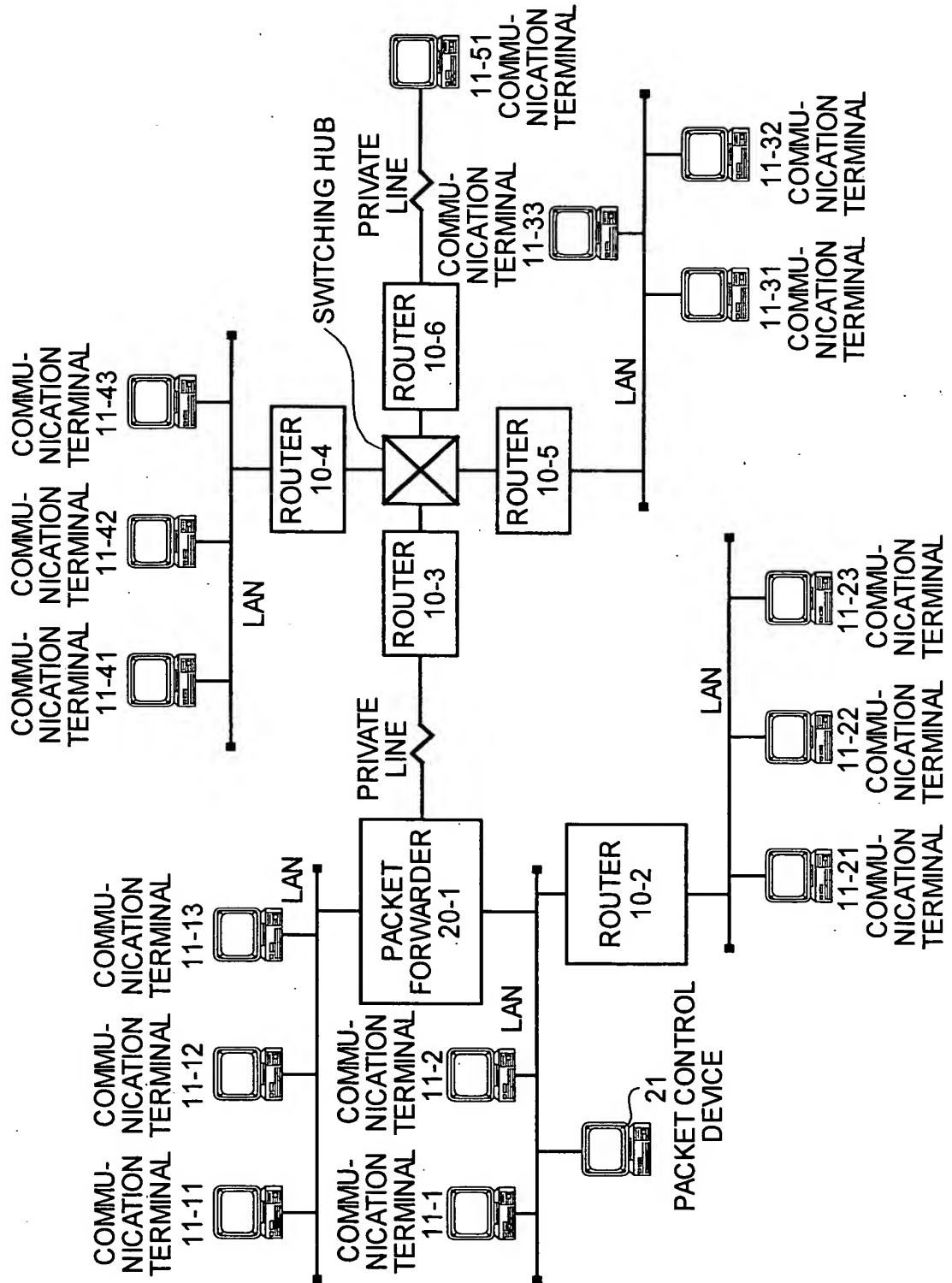


FIG.15

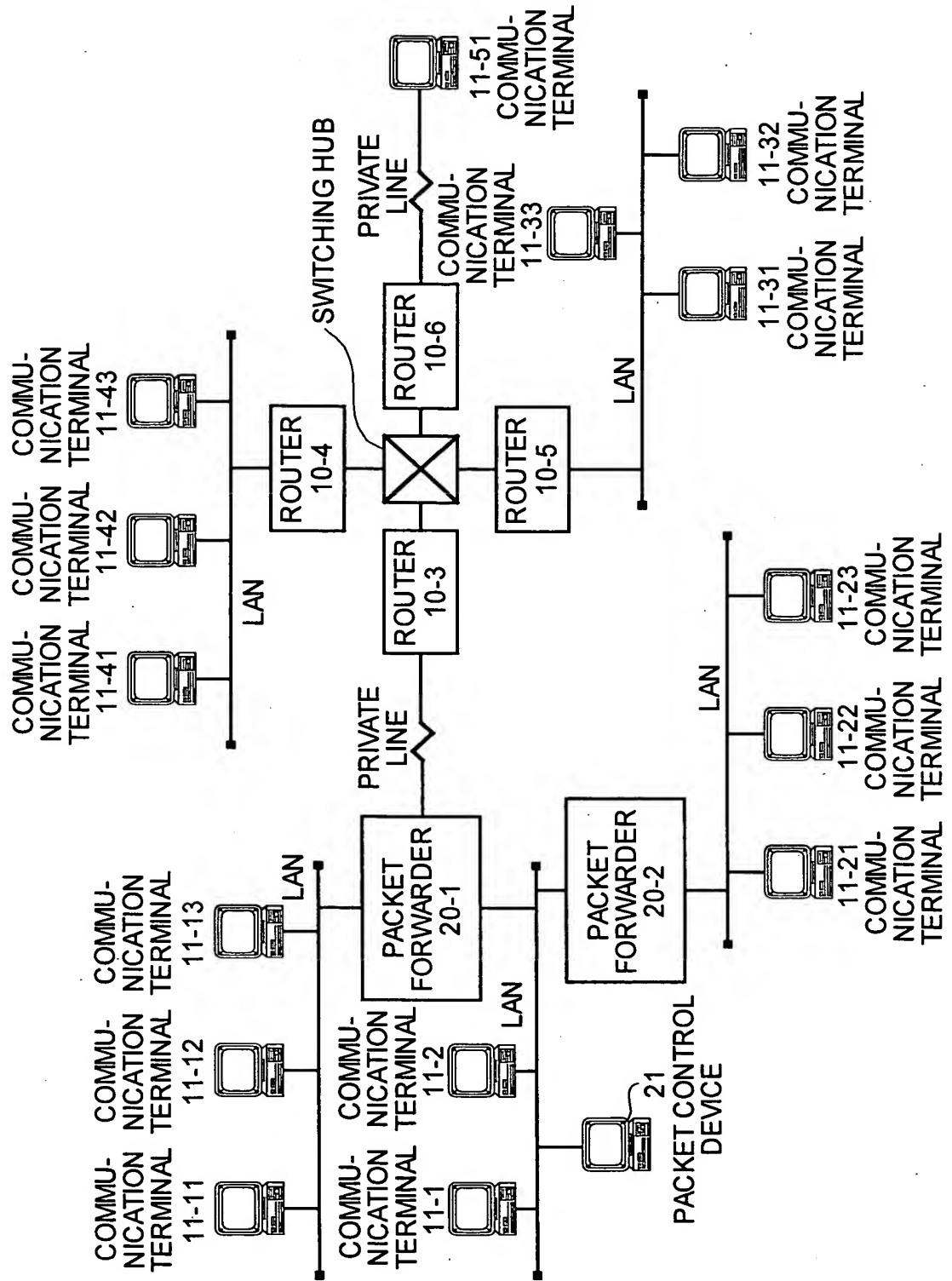
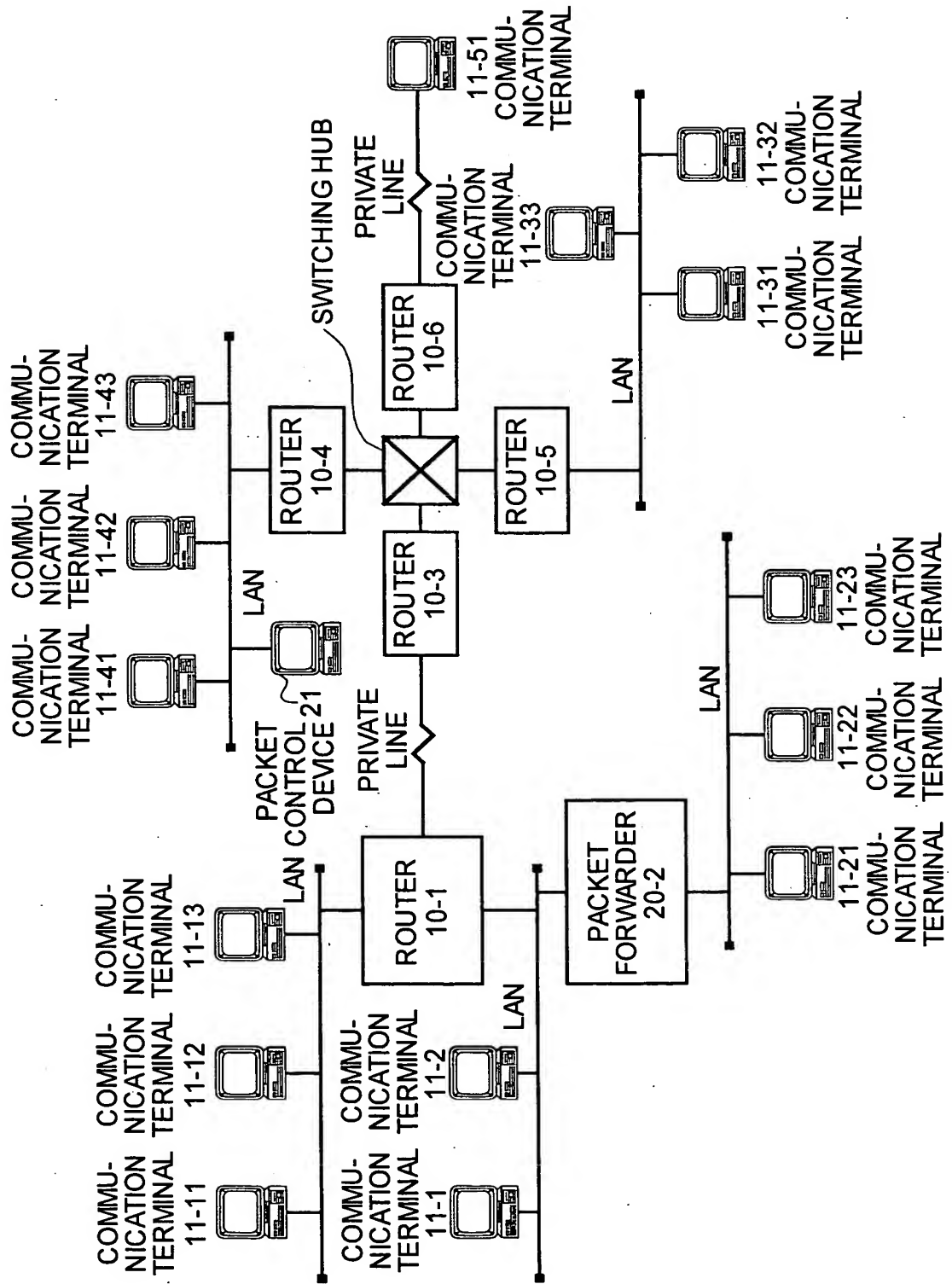


FIG.16



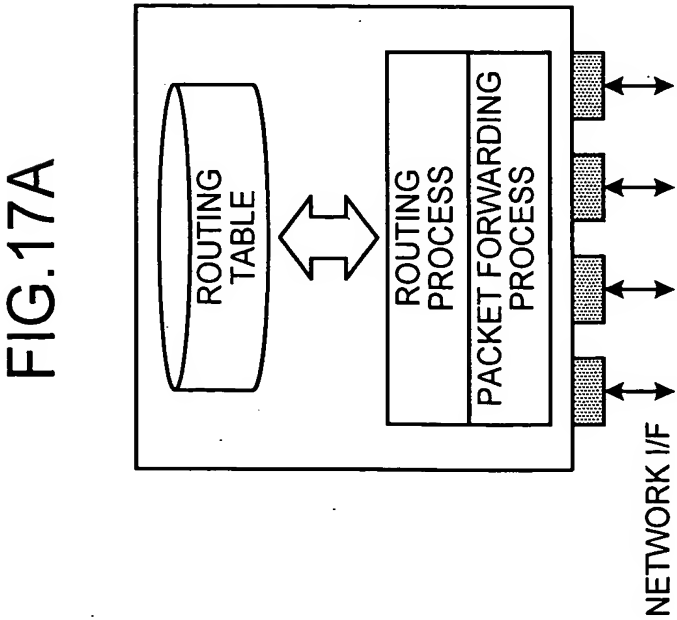
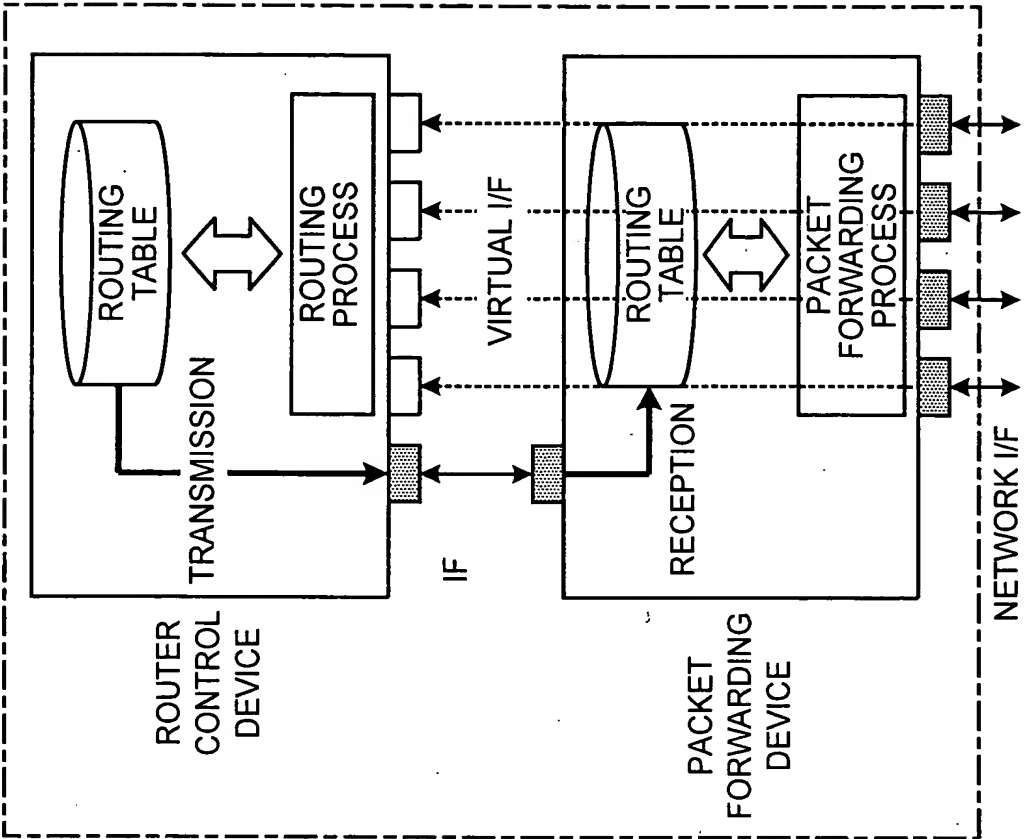


FIG. 18

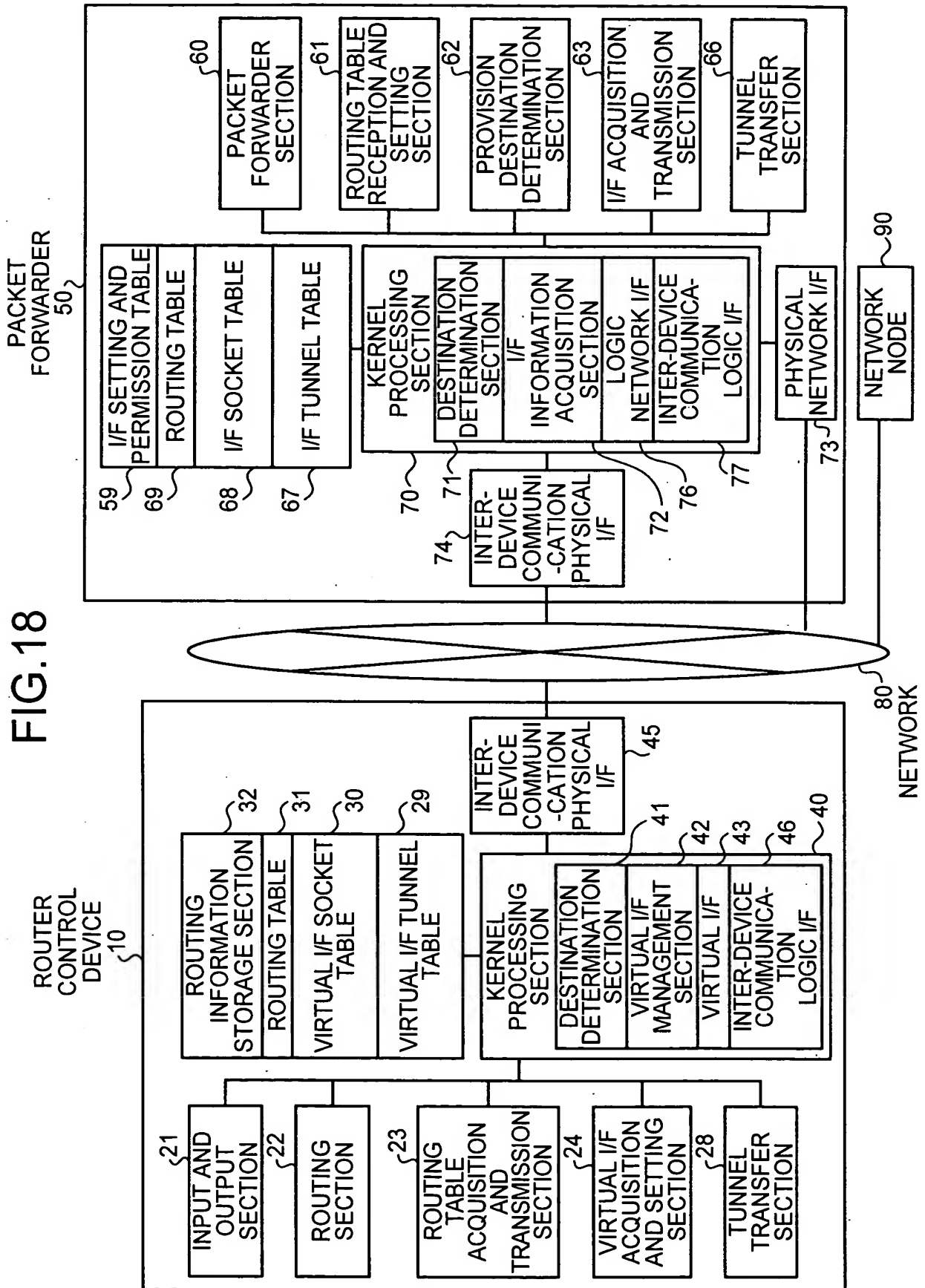


FIG.19

ROUTER CONTROL DEVICE 10

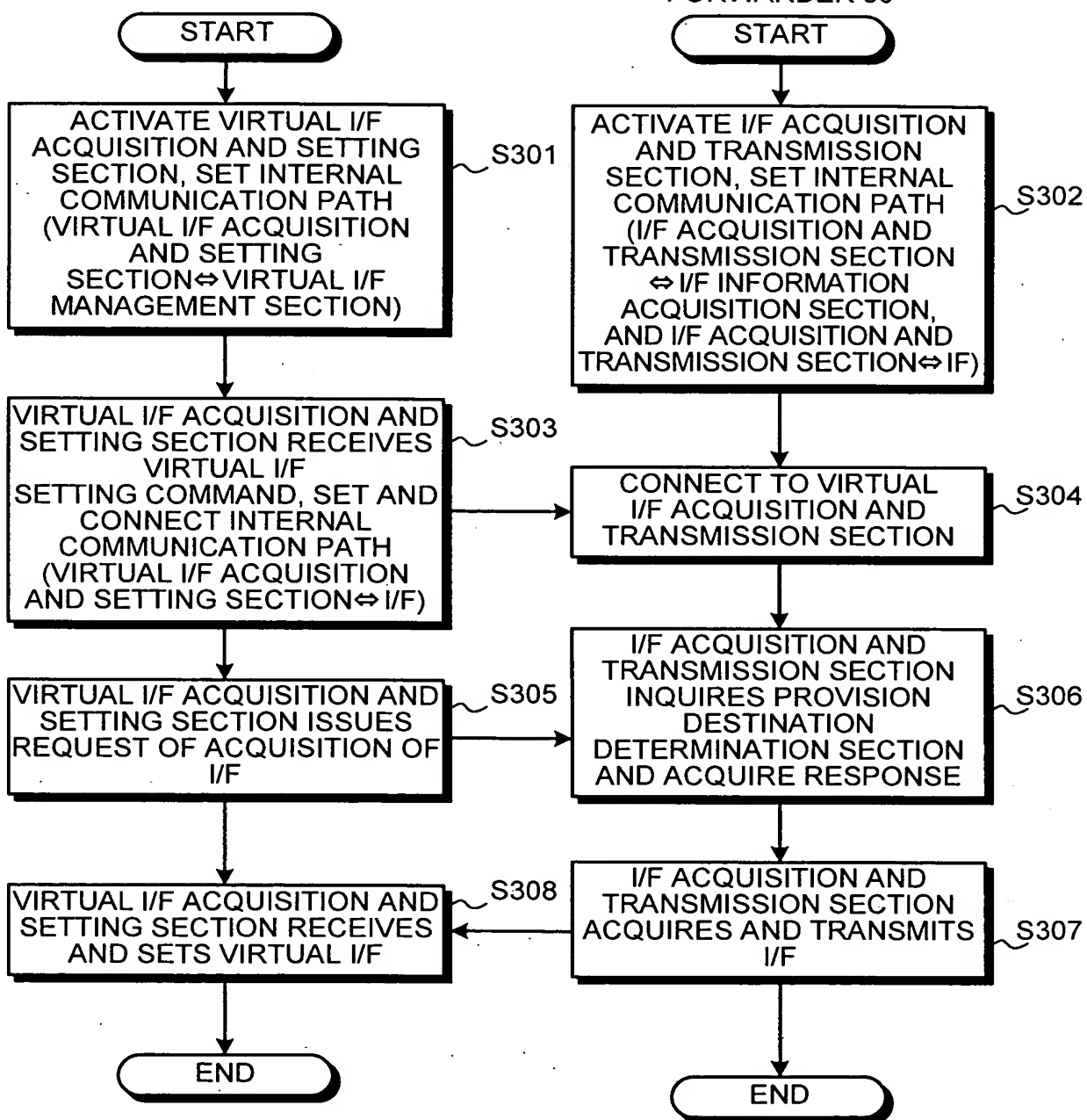
PACKET
FORWARDER 50

FIG.21

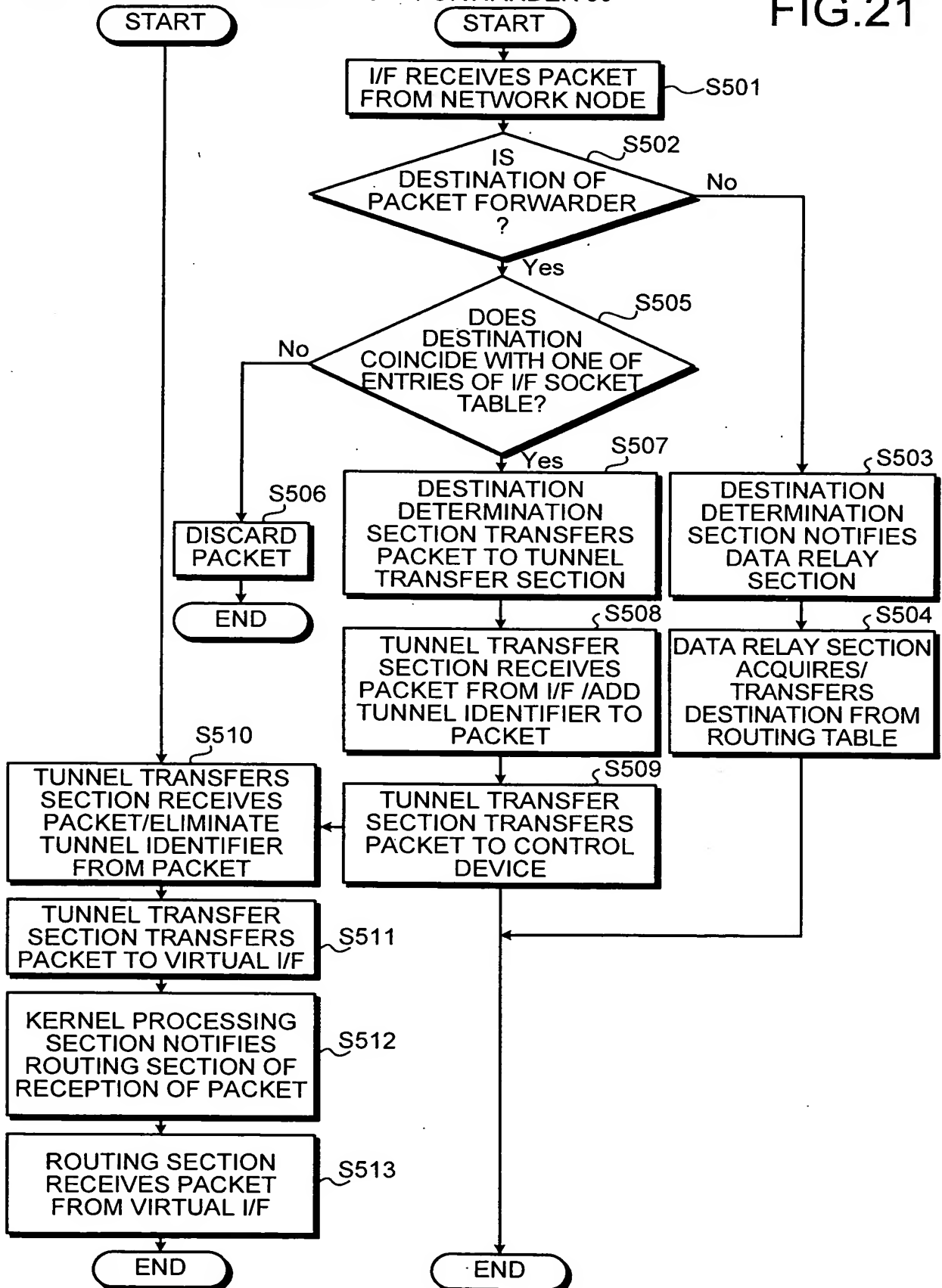


FIG.22

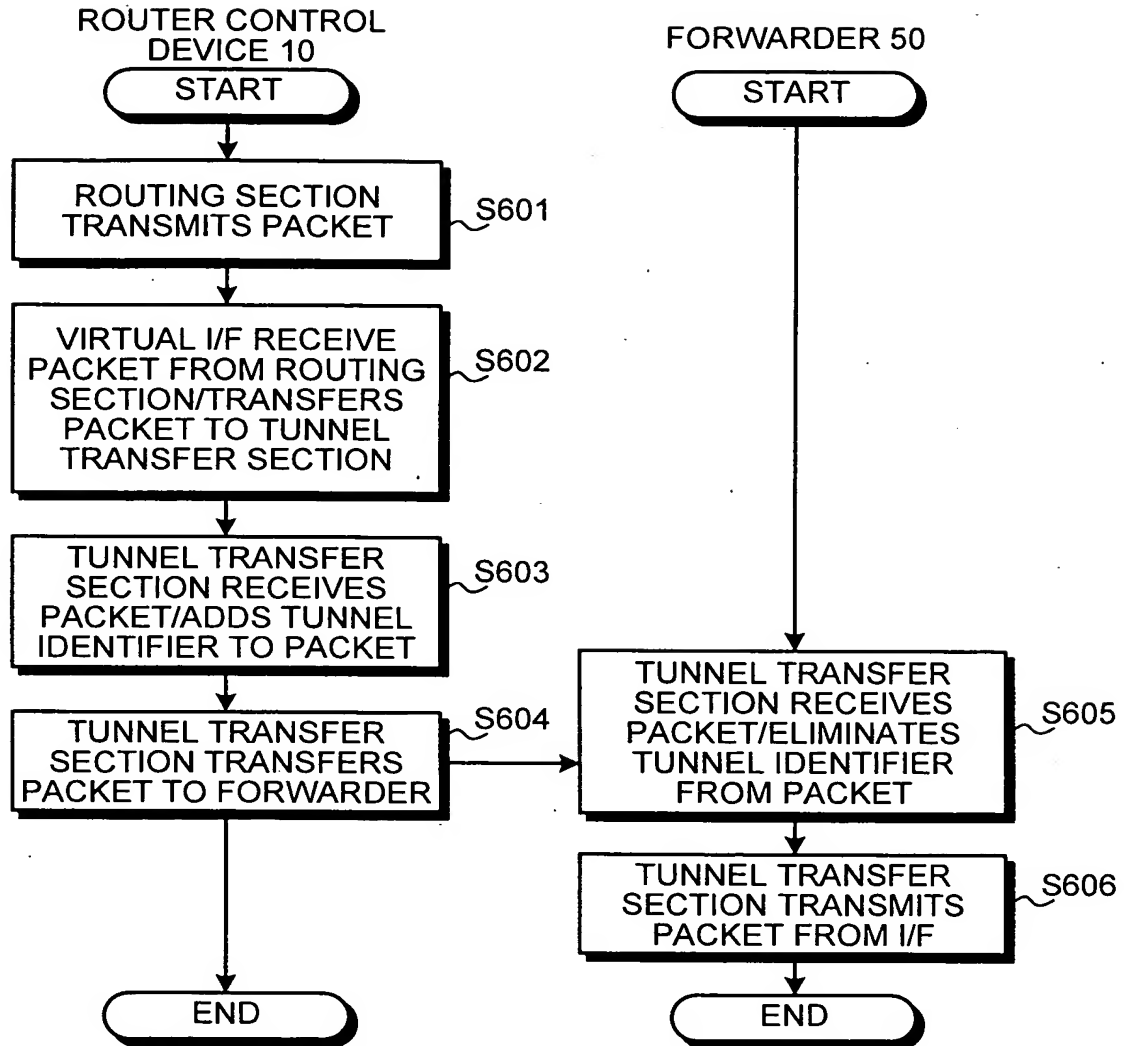


FIG.23

ROUTER CONTROL DEVICE 10

FORWARDER 50

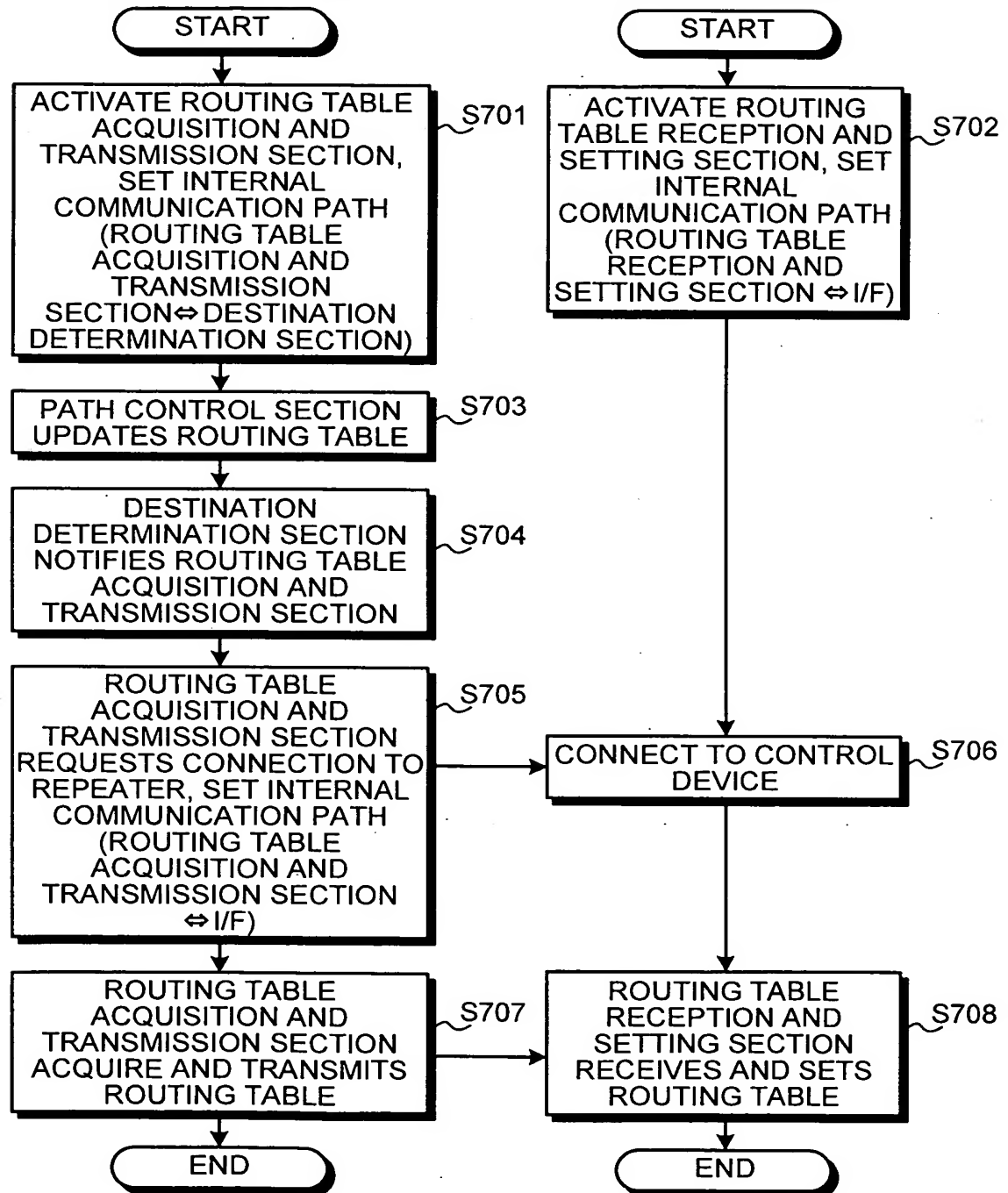


FIG. 24

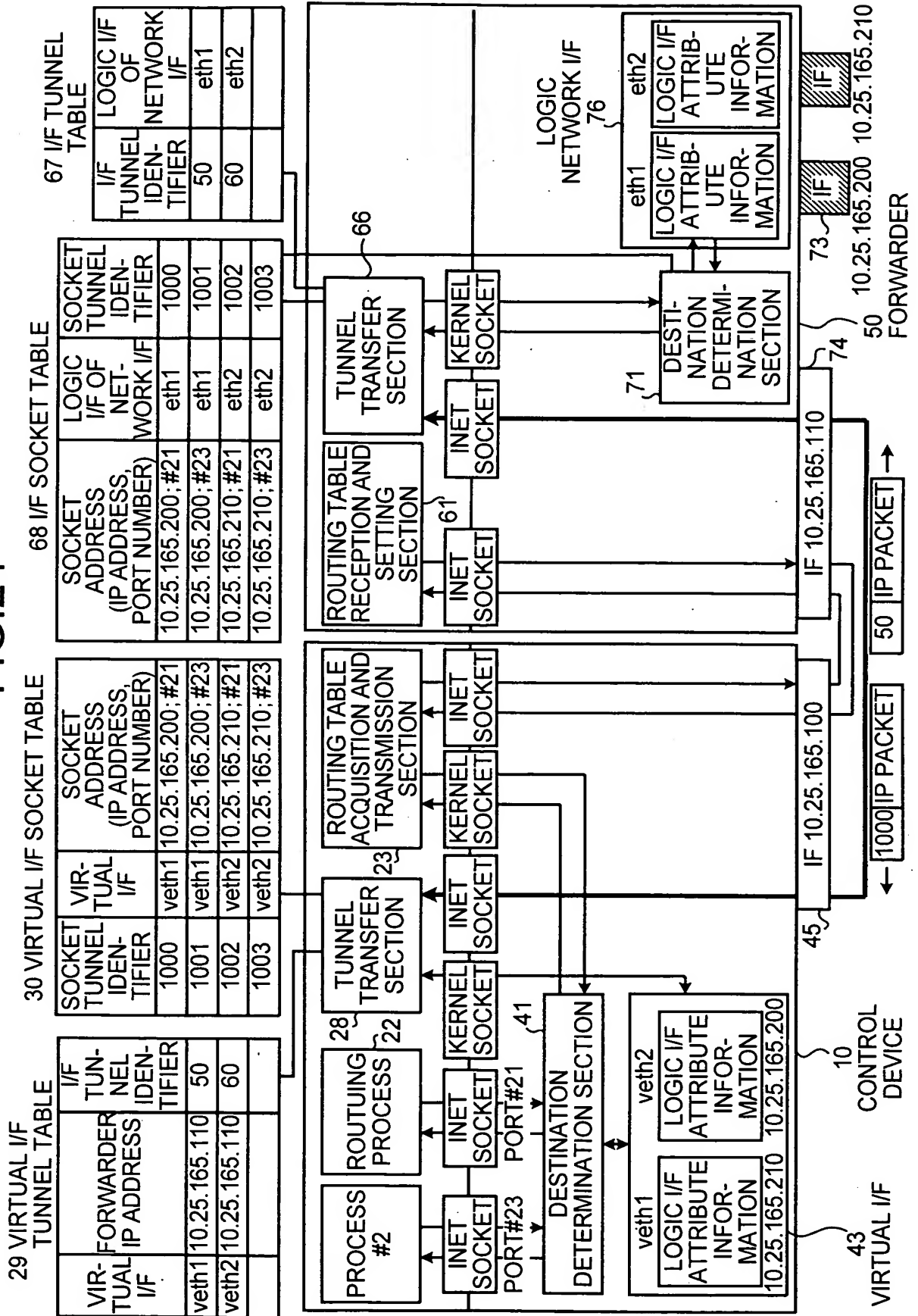


FIG. 25

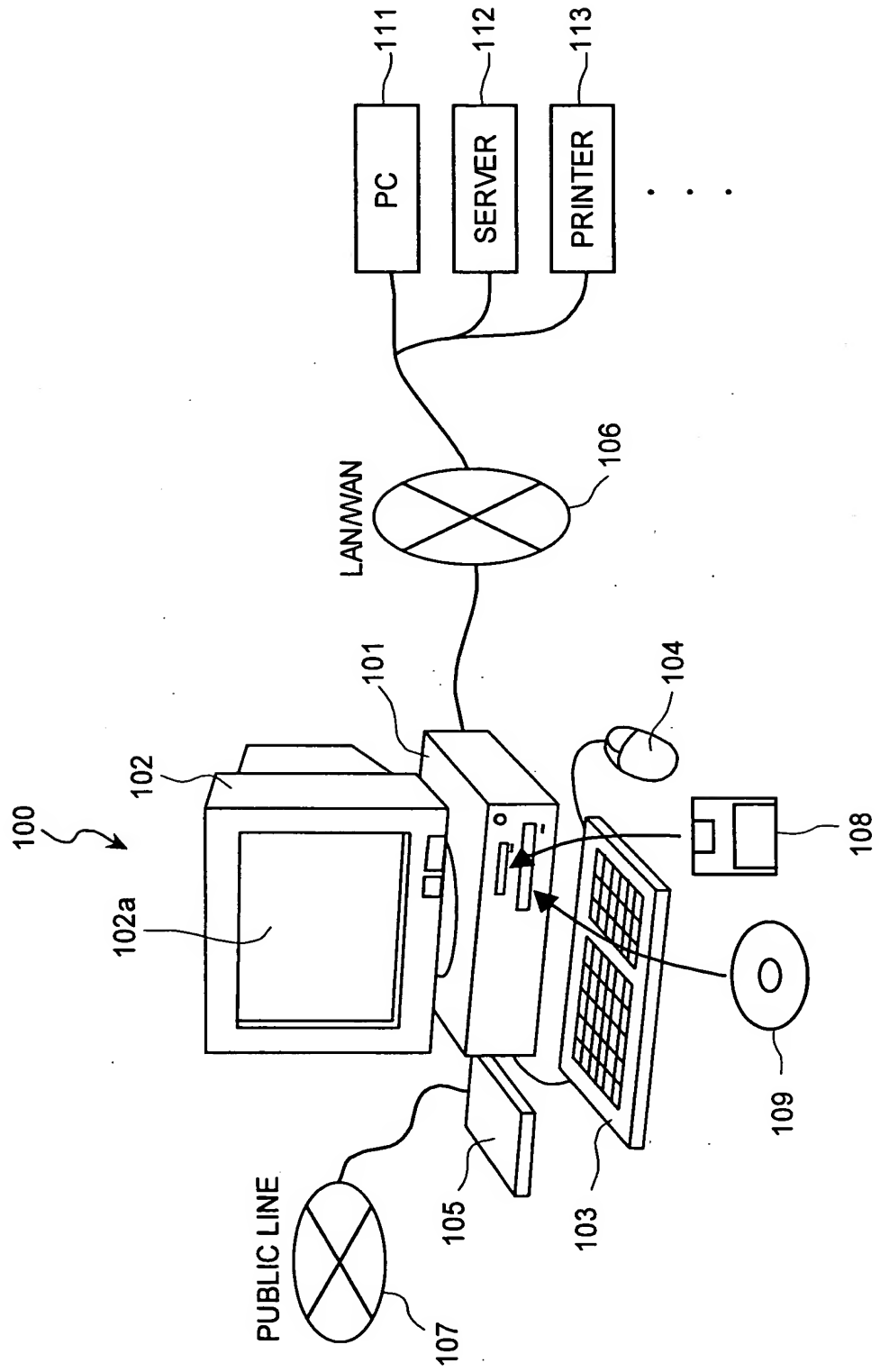


FIG.26

